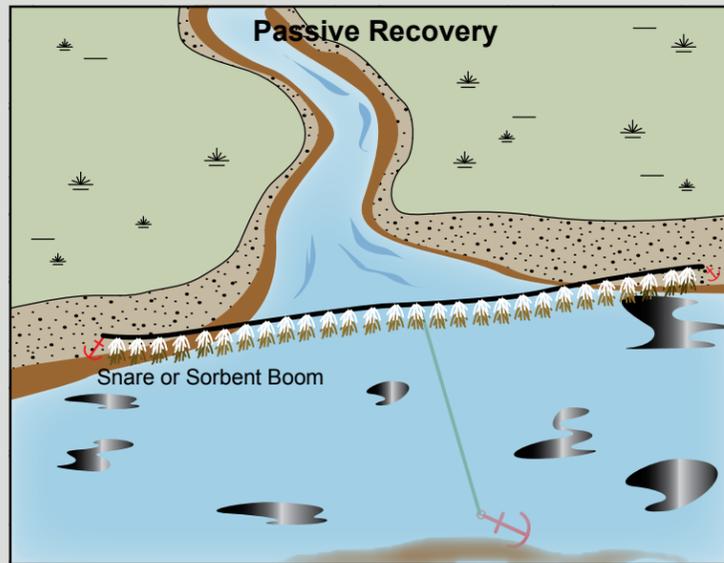


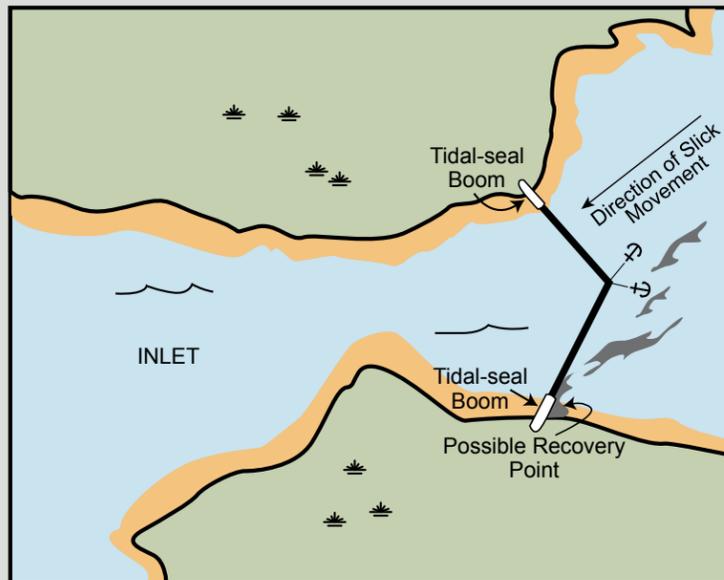
Kobuk River Delta, NWA-N13

Center of map at 66° 32'42" N Lat., 161° 30'49" W Lon.

Geographic Response Strategies for Northwest Arctic Subarea, Northern Zone



An example of the *Passive Recovery Tactic*. Actual deployment should be adjusted for local conditions.

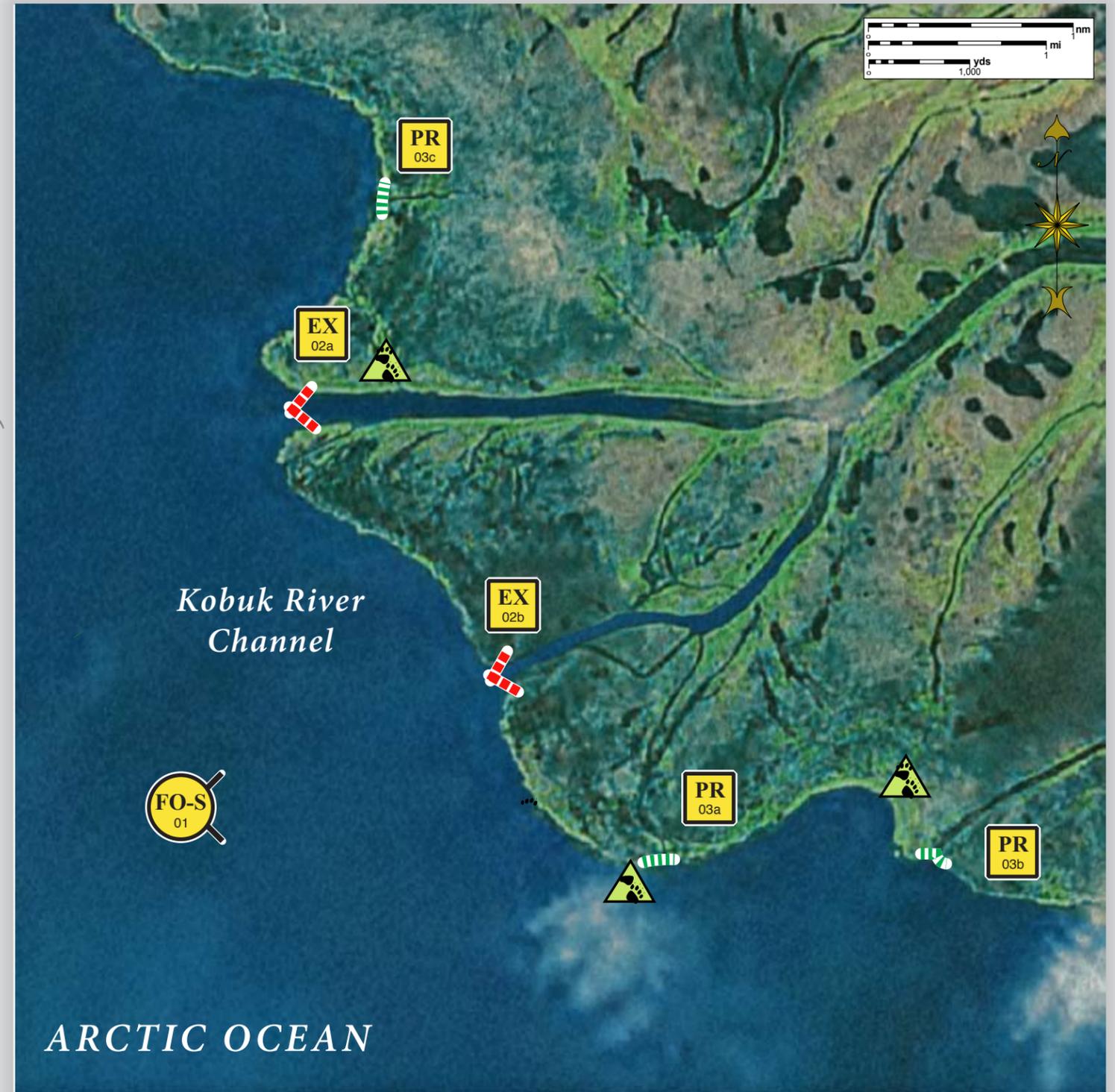


An example of the *Exclusion Booming Tactic*. Actual deployment should be adjusted for local conditions.

Map Legend

FO-S	Free-oil Recovery	Protected-water Boom
PR	Passive Recovery	Snare or Sorbent Boom
EX	Exclusion Booming	Bears in Area, Guards Recommended

Aerial photography of this area is unavailable at this time, but may be included as it becomes available.



This is not intended for navigational use.

ID	Location and Description	Response Strategy	Implementation	Response Resources	Staging Area	Site Access	Resources Protected (months)	Special Considerations
N-13-01 	Kobuk River Nearshore waters in the general area of: Lat. 66° 31.1 N Lon. 161°34.2 W	Free-oil Recovery Maximize free-oil recovery in the offshore & nearshore environment of Kobuk River depending on spill location and trajectory.	Deploy free-oil recovery strike teams upwind and up current of Kobuk River. Use aerial surveillance to locate incoming slicks.	Deploy multiple free-oil recovery strike teams as required to maximize interception of oil before it impacts sensitive areas.	Kotzebue	Via marine waters Chart 16005	Same as N-13-02	Vessel master should have local knowledge. Use extreme caution, shoal waters with numerous reefs and rocks.
N-13-02 	Kobuk River a. Lat. 66° 33.48 N Lon. 161°32.57 W b. Lat. 66° 32.37 N Lon. 161°29.55 W	Exclusion Exclude oil from entering the main channels of Kobuk River.	Deploy anchors and boom with skiffs (class 6). For each array place the specified amount of protected-water boom in a slight chevron pattern across the entrance to each stream or cut in the bank. Tend throughout the tide. <u>Boom Length:</u> a. 1400 ft. b. 1000 ft.	Deployment Equipment 3000 ft. protected-water boom 15 ea. anchor systems 16 ea. anchor stakes Vessels 2 ea. class 6 Personnel/Shift 4 ea. vessel crew Tending Vessels 1 ea. class 6 Personnel/Shift 2 ea. vessel crew	Vessel platform	Via marine waters Chart 16005	Fish- chinook, coho, pink salmon, dolly varden, char, white fish Birds-waterfowl concentration, shorebird concentration, seabird concentration Habitat- marsh, low lying tundra	A population of bears may be present in the area. A bear guard is required during shore operations. Threatened or endangered species/habitat is present or possible in the area. Consult with NOAA and DOI prior to deployment.
N-13-03 	Kobuk River Delta a. Lat. 66° 31.44 N Lon. 161°27.57 W b. Lat. 66° 31.61 N Lon. 161°24.13 W c. Lat. 66° 34.53 N Lon. 161°32.01 W	Passive Recovery Use local knowledge and navigation to place passive recovery across the channels and cuts in the banks in the Kobuk River Delta. Survey prior to deployment to determine if additional streams require booming. Adjust equipment requirements as necessary.	Place and anchor snare line or sorbent boom across the channels of streams in Kobuk River Delta. Replace as necessary to maximize the recovery. <u>Boom Lengths:</u> a. 400 ft. b. 200 ft. c. 200 ft	Deployment Equipment 800 ft. snare line or sorbent boom 4 ea. anchor systems 12 ea. anchor stakes Vessels/Personnel/Shift Same as N-13-02 Tending Vessels/Personnel/Shift Same as N-13-02	Vessel platform	Via marine waters Chart 16005	Same as N-13-02	Vessel master should have local knowledge. Title 41 permitting required from ADNR. REPORT any cultural resources found during operations to the FOSC Historic Properties Specialist. Tested: not yet

NOTE: Sensitive resource information can be found on other maps which can be accessed through the sensitive area section of the NWA Sub-Area Contingency Plan: http://dec.alaska.gov/spar/perp/plans/scp_nwa.htm.